

METAL FORMS CORPORATION

Metal Forms for Monolithic Concrete Construction

1436-1440 Booth Street
MILWAUKEE, WIS.

Product.

METAFORM INTERLOCKING STEEL FORMS for Monolithic Concrete Construction (Straight Walls, Angular and Circular).

Adaptability.

Metaforms take the place of wood forms on all types of monolithic concrete work—large industrial plants, buildings, residences, walls, etc. Metaform circular equipment is used in the construction of tanks, grain elevators, silos, chimneys, and coal pockets.

Advantages.

Metaforms effect large savings in form costs, speed up construction and turn out better work. As they are permanent equipment and can be used year after year with practically no depreciation, they eliminate the costly wastage that results from the use of wood forms. They reduce labor costs substantially, as a few common laborers can set them up as fast as the pouring proceeds, thus taking several skilled form carpenters off the payroll. Metaform tight joints and smooth surfaces result in smooth, better looking walls.

For circular-walled structures (silos, water tanks, grain elevators, etc.) Metaform adjustable circular equipment offers the only practical construction methods. On this class of work, continuous built-up forms are wholly impractical, while the common substitutes (clumsy slip-forms) are too slow, unwieldy and inflexible to meet the present day necessity for speed and economy.

Description.

Metaforms are built on the interchangeable unit idea. Each individual unit is built of a steel plate, heavily reinforced, and equipped with all necessary interlocking and clamping devices. Each unit is self-contained, there are no clamps, bolts, wedges or other separate parts to be applied. By combining a few of

the fractional and adjustable units to courses of the standard units, the form is made readily adjustable to varying lengths and specifications of concrete walls. Metaform equipment is unapproached in simplicity and versatility.

Metaform circular construction outfits are built on the same principles of standardization, with the added equipment necessary through the peculiar nature of circular work.

Operation.

Erecting Metaform units into a form set-up is almost automatic in its simplicity. The workman takes the units successively off the bottom course (three courses of plate being ordinarily used) and places them in position on the top course, the aligning pins automatically insuring accurate alignment. The two hand clamps with which each unit is equipped are then closed, and the unit becomes an integral part of the form.

Investment Value.

No other equipment that a contractor buys can be considered so permanent as Metaforms. Units which were built fifteen years ago are still in constant use, and are apparently good for an indefinite number of years to come. So highly standardized is Metaform equipment that these old units fit perfectly among the standard units of today.

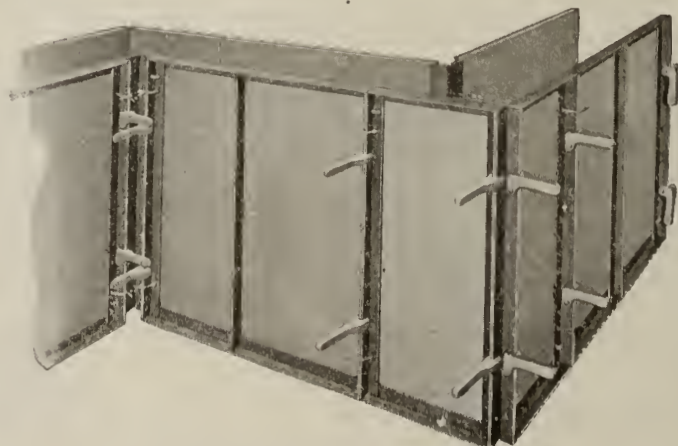
Metaforms are in use in every state in the Union, and every country in the world. The acceptance of Metaform methods is becoming universal.

Service Department.

All contractors are offered the assistance of this company's Engineering Service Department, in helping to determine the amount of Metaform equipment necessary to do the work most efficiently and economically. Any desired estimates will be furnished without obligation.



STANDARD METAFORM UNIT, SHOWING CLAMPS



ILLUSTRATING METAFORM SET-UP

Many jobs of peculiar nature, such as the construction of sewer manholes, can be executed at a great reduction of cost through the use of standard Metaform equipment specially designed and adapted to the work. Suggestions and plans on such work will be furnished by the Engineering Department without obligation.

Literature.

Metaform equipment and methods are described clearly and graphically in two informative books. One book describes and illustrates the Metaform idea as applied to straight monolithic concrete construction; its companion edition is a valuable handbook on the most efficient and cost saving methods for building concrete silos, grain elevators, water tanks, chimneys, coal pockets, etc. Either or both books will be sent free on request.



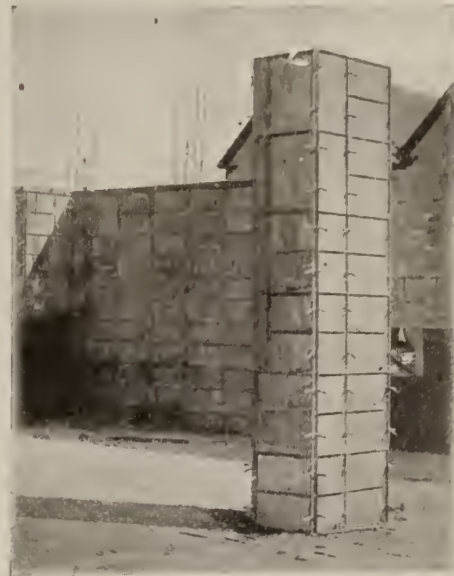
METAFORMS ON GRAIN ELEVATOR



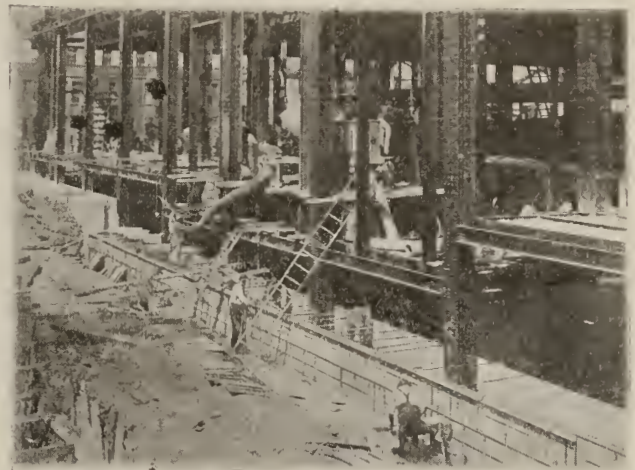
METAFORMS ON BASEMENT FOUNDATION



METAFORM SILO BUILDING
OUTFIT



COMBINATION OF METAFORM STANDARD
AND FRACTIONAL UNITS



METAFORMS ON LARGE OFFICE BUILDING



METAFORM BUILT HOUSES



METAFORMS ON FACTORY STRUCTURE